



NIMBioS

National Institute for Mathematical
and Biological Synthesis



NIMBioS Special Seminar 10:30 a.m., Tuesday, February 10, 2015

Dr. Stacy Krueger-Hadfield
Grice Marine Laboratory, College of Charleston

“Brokedown life cycles: Implications of the haploid-diploid life cycle on macroalgal population genetics”

Many macroalgal life cycles alternate between free-living diploid and haploid stages. Very few studies have addressed population genetic structure and mating systems of macroalgae in native habitats. Thus, it is unclear what impacts biological invasions have on different processes during the haploid-diploid life cycle. I will present part of my dissertation and post-doctoral research on haploid-diploid red seaweed genetic structure and mating systems in order to illustrate the need for a framework with which to design efficient sampling strategies. Better sampling methodology is sorely needed in order to address the impacts of different factors, ranging from the intertidal shorescape to inbreeding depression, on haploid-diploid life cycles.

Location: Room 105 at NIMBioS, Claxton Education Bldg, 1122 Volunteer Blvd.

For more information about this and other NIMBioS Seminars, visit <http://www.nimbios.org/seminars>

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